

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/510,563  
Source: JFW16  
Date Processed by STIC: 07/27/2005

***ENTERED***



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/510,563

DATE: 07/27/2005

TIME: 11:59:17

Input Set : A:\2005-07-18 1110-0324PUS1.ST25.txt

Output Set: N:\CRF4\07272005\J510563.raw

3 <110> APPLICANT: Yasushi TAGUCHI  
 4 Kyousuka HAZE  
 5 Shinichi KURIYAMA  
 7 <120> TITLE OF INVENTION: PEPTIDES CHEMICALLY MODIFIED WITH POLYETHYLENE GLYCOL  
 9 <130> FILE REFERENCE: 1110-0324PUS1  
 11 <140> CURRENT APPLICATION NUMBER: US 10/510,563  
 12 <141> CURRENT FILING DATE: 2004-10-08  
 14 <150> PRIOR APPLICATION NUMBER: PCT/JP03/04614  
 15 <151> PRIOR FILING DATE: 2003-04-11  
 17 <160> NUMBER OF SEQ ID NOS: 30  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 37  
 21 <212> TYPE: PRT  
 22 <213> ORGANISM: Artificial Sequence  
 24 <220> FEATURE:  
 25 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 27 <400> SEQUENCE: 1  
 28 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala  
 29 1 5 10 15  
 31 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
 32 20 25 30  
 34 Ile Ala Leu Arg Ser  
 35 35  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 37  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Artificial Sequence  
 43 <220> FEATURE:  
 44 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 46 <400> SEQUENCE: 2  
 47 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val Arg Gln Ile Ala  
 48 1 5 10 15  
 50 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val Arg Gln  
 51 20 25 30  
 53 Ile Ala Leu Arg Ser  
 54 35  
 57 <210> SEQ ID NO: 3  
 58 <211> LENGTH: 37  
 59 <212> TYPE: PRT  
 60 <213> ORGANISM: Artificial Sequence  
 62 <220> FEATURE:  
 63 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized

peptide  
65 <400> SEQUENCE: 3

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66 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Arg  
 67 1 5 10 15  
 69 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
 70 20 25 30  
 72 Ile Arg Leu Arg Ser  
 73 35  
 76 <210> SEQ ID NO: 4  
 77 <211> LENGTH: 37  
 78 <212> TYPE: PRT  
 79 <213> ORGANISM: Artificial Sequence  
 81 <220> FEATURE:  
 82 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 84 <400> SEQUENCE: 4  
 85 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Leu His Gln Ile Ala  
 86 1 5 10 15  
 88 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Leu His Gln  
 89 20 25 30  
 91 Ile Ala Leu Arg Ser  
 92 35  
 95 <210> SEQ ID NO: 5  
 96 <211> LENGTH: 37  
 97 <212> TYPE: PRT  
 98 <213> ORGANISM: Artificial Sequence  
 100 <220> FEATURE:  
 101 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 104 <400> SEQUENCE: 5  
 105 Thr Arg Phe Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala  
 106 1 5 10 15  
 108 Leu Arg Leu Arg Phe Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
 109 20 25 30  
 111 Ile Ala Leu Arg Ser  
 112 35  
 115 <210> SEQ ID NO: 6  
 116 <211> LENGTH: 37  
 117 <212> TYPE: PRT  
 118 <213> ORGANISM: Artificial Sequence  
 120 <220> FEATURE:  
 121 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 124 <400> SEQUENCE: 6  
 125 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Asn Ile Ala  
 126 1 5 10 15  
 128 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Asn  
 129 20 25 30  
 131 Ile Ala Leu Arg Ser  
 132 35  
 135 <210> SEQ ID NO: 7  
 136 <211> LENGTH: 37  
 137 <212> TYPE: PRT  
 138 <213> ORGANISM: Artificial Sequence

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140 <220> FEATURE:  
 141 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 144 <400> SEQUENCE: 7  
 145 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala  
 146 1 5 10 15  
 148 Leu Lys Leu Lys Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
 149 20 25 30  
 151 Ile Ala Leu Arg Ser  
 152 35  
 155 <210> SEQ ID NO: 8  
 156 <211> LENGTH: 37  
 157 <212> TYPE: PRT  
 158 <213> ORGANISM: Artificial Sequence  
 160 <220> FEATURE:  
 161 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 164 <400> SEQUENCE: 8  
 165 Thr Arg Tyr Leu Arg Ile His Pro Lys Ser Trp Val His Gln Ile Ala  
 166 1 5 10 15  
 168 Leu Arg Leu Arg Tyr Leu Lys Ile His Pro Arg Ser Trp Val His Gln  
 169 20 25 30  
 171 Ile Ala Leu Arg Ser  
 172 35  
 175 <210> SEQ ID NO: 9  
 176 <211> LENGTH: 37  
 177 <212> TYPE: PRT  
 178 <213> ORGANISM: Artificial Sequence  
 180 <220> FEATURE:  
 181 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 184 <400> SEQUENCE: 9  
 185 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala  
 186 1 5 10 15  
 188 Leu Arg Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
 189 20 25 30  
 191 Ile Ala Leu Arg Ser  
 192 35  
 195 <210> SEQ ID NO: 10  
 196 <211> LENGTH: 37  
 197 <212> TYPE: PRT  
 198 <213> ORGANISM: Artificial Sequence  
 200 <220> FEATURE:  
 201 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 204 <400> SEQUENCE: 10  
 205 Thr Arg Ser Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala  
 206 1 5 10 15  
 208 Leu Arg Leu Arg Ser Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
 209 20 25 30  
 211 Ile Ala Leu Arg Ser  
 212 35  
 215 <210> SEQ ID NO: 11

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Input Set : A:\2005-07-18 1110-0324PUS1.ST25.txt  
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216 <211> LENGTH: 37  
217 <212> TYPE: PRT  
218 <213> ORGANISM: Artificial Sequence  
220 <220> FEATURE:  
221 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
224 <400> SEQUENCE: 11  
225 Thr Arg Tyr Leu Arg Ile His Pro Arg Leu Trp Val His Gln Ile Ala  
226 1 5 10 15  
228 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Leu Trp Val His Gln  
229 20 25 30  
231 Ile Ala Leu Arg Ser  
232 35  
235 <210> SEQ ID NO: 12  
236 <211> LENGTH: 37  
237 <212> TYPE: PRT  
238 <213> ORGANISM: Artificial Sequence  
240 <220> FEATURE:  
241 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
244 <400> SEQUENCE: 12  
245 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln Ile Ala  
246 1 5 10 15  
248 Leu Ser Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Val His Gln  
249 20 25 30  
251 Ile Ala Leu Ser Ser  
252 35  
255 <210> SEQ ID NO: 13  
256 <211> LENGTH: 37  
257 <212> TYPE: PRT  
258 <213> ORGANISM: Artificial Sequence  
260 <220> FEATURE:  
261 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
264 <400> SEQUENCE: 13  
265 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Leu Val His Gln Ile Ala  
266 1 5 10 15  
268 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Leu Val His Gln  
269 20 25 30  
271 Ile Ala Leu Arg Ser  
272 35  
275 <210> SEQ ID NO: 14  
276 <211> LENGTH: 37  
277 <212> TYPE: PRT  
278 <213> ORGANISM: Artificial Sequence  
280 <220> FEATURE:  
281 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
284 <400> SEQUENCE: 14  
285 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Ser His Gln Ile Ala  
286 1 5 10 15  
288 Leu Arg Leu Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Ser His Gln  
289 20 25 30

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Input Set : A:\2005-07-18 1110-0324PUS1.ST25.txt  
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291 Ile Ala Leu Arg Ser  
 292 35  
 295 <210> SEQ ID NO: 15  
 296 <211> LENGTH: 37  
 297 <212> TYPE: PRT  
 298 <213> ORGANISM: Artificial Sequence  
 300 <220> FEATURE:  
 301 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 304 <400> SEQUENCE: 15  
 305 Thr Arg Tyr Leu Arg Ile Arg Pro Arg Ser Trp Val Arg Gln Ile Ala  
 306 1 5 10 15  
 308 Leu Arg Leu Arg Tyr Leu Arg Ile Arg Pro Arg Ser Trp Val Arg Gln  
 309 20 25 30  
 311 Ile Ala Leu Arg Ser  
 312 35  
 315 <210> SEQ ID NO: 16  
 316 <211> LENGTH: 37  
 317 <212> TYPE: PRT  
 318 <213> ORGANISM: Artificial Sequence  
 320 <220> FEATURE:  
 321 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 324 <400> SEQUENCE: 16  
 325 Thr Arg Tyr Leu Arg Leu His Pro Arg Ser Trp Val His Gln Leu Ala  
 326 1 5 10 15  
 328 Leu Arg Leu Arg Tyr Leu Arg Leu His Pro Arg Ser Trp Val His Gln  
 329 20 25 30  
 331 Leu Ala Leu Arg Ser  
 332 35  
 335 <210> SEQ ID NO: 17  
 336 <211> LENGTH: 37  
 337 <212> TYPE: PRT  
 338 <213> ORGANISM: Artificial Sequence  
 340 <220> FEATURE:  
 341 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 344 <400> SEQUENCE: 17  
 345 Thr Arg Ser Leu Arg Ile His Pro Arg Leu Trp Val His Gln Ile Ala  
 346 1 5 10 15  
 348 Leu Arg Leu Arg Ser Leu Arg Ile His Pro Arg Leu Trp Val His Gln  
 349 20 25 30  
 351 Ile Ala Leu Arg Ser  
 352 35  
 355 <210> SEQ ID NO: 18  
 356 <211> LENGTH: 37  
 357 <212> TYPE: PRT  
 358 <213> ORGANISM: Artificial Sequence  
 360 <220> FEATURE:  
 361 <223> OTHER INFORMATION: Description of Artificial Sequence: chemically synthesized peptide  
 364 <400> SEQUENCE: 18  
 365 Thr Arg Tyr Leu Arg Ile His Pro Arg Ser Trp Leu His Gln Ile Ala

**VERIFICATION SUMMARY**

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Input Set : A:\2005-07-18 1110-0324PUS1.ST25.txt

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